# Mathematical Reviews

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ZETA FUNCTIONS. See: Dirichlet series (zeta functions); number theory.

#### ERRATA

#### VOLUME 2

P. 45: Badellino.

The information contained in the last sentence is inaccurate. The paper actually gives tables (to nine places) of  $e^{-x}I_0$ ,  $e^{-x}I_1$ ,  $e^xK_0$ ,  $e^xK_1$ , for integer values of x between 20 and 50.

P. 238: Peters.

The title should read: Logarithmen der Zahlen, Antilogarithmen, Additions- und Subtraktionslogarithmen, nebst einem Anhang mit Formeln und Konstanten.

#### VOLUME 3

P. 195: Nakayama.

The volume number was taken from a reprint. Actually, the paper appeared in volume 17, pp. 165-184.

P. 265: Vandiver.

In the second display read  $(f_{n_1} + \cdots + f_{n_p})^f$  instead of  $(f_{n_1} + \cdots + f_{n_p})$ .

#### VOLUME 4

P. 95: Galanin.

The author's name is Galanin, not Galinin,

P. 117: Fessenkoff.

The volume number should be 20 and not 19 (as given on the cover pages on some issues of the journal).

P. 133: Miller.

The last sentence should be omitted. The reviewer wishes to apologize for having made the unjust criticism contained in it.

J. S. Frame (East Lansing, Mich.).

P. 173: Campbell.

In the review it was erroneously stated that there was no interpretation for which the author's formula was completely correct. The essence of the paper appears to be contained in the following theorem: Let the cosine of the angle between  $\bar{x}_r$ -axis of a reference frame  $\bar{P}$  and the

 $x_f$  axis of a reference frame F be denoted by  $l_{ij}(t)$  at time t. Let  $V[x_k, t]$  be a vector function of time t and of a moving point P whose coordinates with respect to F are  $x_1(t)$ ,  $x_2(t)$ ,  $x_2(t)$  at time t. Let  $\tilde{V}[\tilde{x}_k, t]$  be another vector function of time t and of the same point  $\tilde{P}$  whose coordinates with respect to  $\tilde{F}$  are  $\tilde{x}_1(t)$ ,  $\tilde{x}_2(t)$ ,  $\tilde{x}_2(t)$  at time t, such that its components are given in terms of the components of V by means of the equations

$$\widehat{V}[\widehat{x}_k, t] = \sum_{j=1}^{3} l_{ij}(t) V_i \left[ \sum_{s=1}^{4} l_{sk}(t) \widehat{x}_s, t \right].$$

Then, if the frames F and  $\bar{F}$  coincide at  $t=t_0$ , we have

$$\frac{d\vec{V}}{dt} = \frac{dV}{dt} + \omega \times V + (u \cdot \nabla) V, \quad \text{at } t = t_0,$$

where  $\omega$  is the vector of F with respect to F and where u is the vector velocity of the origin of F with respect to F at  $t=t_0$ .

This theorem was formulated by the reviewer as a result of a lengthy correspondence with the author. It should be stated, however, that the author does not agree that this is a correct statement of the content of his paper.

D. C. Lewis (New York, N. Y.).

P. 180: Kachanov.

In the third line for "reviewed above," read "reviewed on p. 232."

P. 184: Mann.

The parenthetic sentence at the end of the review should be omitted. The author's proof is correct.

H. S. M. Coxeter (Toronto, Ont.).

P. 281: Jahnke-Emde.

Contrary to the statement in the review there does not seem to exist a later German edition of the book. The book referred to is by Emde and contains only tables of elementary functions. at of F her cose at the

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